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TRANSMITTAL FORM			Application No.	10/8	815311			
TRANSIVITI TAL FORIVI				Filing Date	Mai	rch 31, 2004		
(to be used for all	corre	spondence afte	er initial filing)	First Named Inventor	Во	Xia		
				Art Unit	Unl	known		
,				Examiner Name	Unl	known		
Total Number of F	Pages	in This Submissi	ion 7	Attorney Docket Numbe	r 42P	217475		
	ENCLOSURES (check all that apply)							
Fee Transmittal	Form		Drawing(s)			After Allowance Communication to Group		
Fee Attac	hed		Licensing-r	related Papers		Appeal Communication to Board of Appeals and Interferences		
Amendment / Ro	espon	se	Petition			Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)		
After Fina Affidavits		ration(s)	Petition to Provisional	Convert a Application		Proprietary Information		
Extension of Tin	Extension of Time Request			attorney, Revocation Correspondence Address	l	Status Letter		
Express Abandonment Request			Terminal Disclaimer			Other Enclosure(s) (please identify below):		
	Information Disclosure Statement			r Refund		7 cited references PCT SEARCH REPORT		
PTO/SB/08		CD, Numbe	er of CD(s)		Return Postcard			
Certified Copy of Priority Document(s)								
Response to Mincomplete App			Remarks					
l <u> </u>	: Filing aration							
Response Parts und 1.52 or 1.								
			E OF APPLICA	NT, ATTORNEY, OR A	AGEN	Т		
Firm	Gı	egory D. Cal	dwell, Reg. No	o. 39,926	*			
or Individual name	В	LAKELY, S	OKOLONFF,	ŢAYLOR & ZAFI	MAN	LLP		
Signature								
Date February 24, 2005			2005					
		CERTIF	ICATE OF MAII	LING/TRANSMISSION				
						vice on the date shown below with P.O. Box 1450, Alexandria, VA		
Typed or printed na	ame	Gayle Bekisl	1					
Signature (2016)		P		Date	February 24, 2005			



#### Complete if Known ANSMITTAL Application Number 10/815311 for FY 2005 March 31, 2004 Filing Date Patent fees are subject to annual revision. First Named Inventor Bo Xia Examiner Name Unknown Applicant claims small entity status. See 37 CFR 1.27. Art Unit Unknown TOTAL AMOUNT OF PAYMENT (\$) Attorney Docket No. 42P17475

METHOD OF PAYMENT (check all that apply)									
Check [	Credit ca	ırd 🗌 M	oney Or	der None Other (please identify):					
Deposit A	Deposit Account Deposit Account Number: 02-2666 Deposit Account Name: Blakely, Sokoloff, Taylor & Zafman LLP								
🔀 Cha 🔀 Cha	For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)  Charge fee(s) indicated below  Charge any additional fee(s) or underpayment of fee(s)  Under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20.								
FEE CALCU	FEE CALCULATION								
Large Er	ntity	Small	Entity						
Fee	Fee	Fee	Fee	For Description					
Code	(\$)	Code	(\$)	Fee Description	Fee Paid				
1051	130	2051	65	Surcharge - late filing fee or oath					
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.					
2053	130	2053	130	Non-English specification					
1251	120	2251	60	Extension for reply within first month					
1252	450	2252	225	ktension for reply within second month					
1253	1,020	2253	510	Extension for reply within third month					
1254	1,590	2254	795	Extension for reply within fourth month					
1255	2,160	2255		Extension for reply within fifth month					
1401	500	2401		Notice of Appeal					
1402	500	2402		Filing a brief in support of an appeal					
1403	1,000	2403		Request for oral hearing					
1451	1,510	2451		Petition to institute a public use proceeding					
1460	130	2460		Petitions to the Commissioner					
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)					
1806	180	1806	180	Submission of Information Disclosure Stmt					
1809	790	1809	395	Filing a submission after final rejection (37 CFR § 1.129(a))					
1810	790	2810		For each additional invention to be examined (37 CFR § 1.129(b))					
Other f	ee (spe	cify) _							
	-	• •		SUBTOTAL (2) (\$)					

SUBMITTED BY Complete (if applicable)							
Name (Print/Type)	Gregory D. Caldwell		Registration No. (Attorney/Agent)	39,926	Telephone	(503) 439-8778	
Signature	,	1/4//		<u> </u>	Date	02/24/05	

Docket No.: 42P17475



#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of:

BO XIA, ET AL.

Application No.: 10/815311

Filed: March 31, 2004

For: **METHOD AND APPARATUS FOR** 

VARYING LENGTHS OF LOW DENSITY PARITY CHECK

**CODEWORDS** 

Art Group: Unknown

Examiner: Unknown

### INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

In accordance with the duty of disclosure, enclosed is a copy of IDS Citation Form PTO/SB/08 or PTO-1449, together with copies of the documents cited on that form, except for copies not required to be submitted (e.g., copies of U.S. patents and U.S. published patent applications need not be enclosed). This IDS and IDS Citation Form are being submitted before the mailing of a first Office Action. It is respectfully requested that the cited references be considered and that the enclosed copy of PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

It is hereby stated that no item of information contained in the Information Disclosure Statement was cited in a patent office in a counterpart application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual associated with the filing or prosecution of the subject application more than three months prior to the filing of the Information Disclosure Statement.

The references were cited in a Search Report dated November 26, 2004 (copy enclosed herewith) in a counterpart PCT application.

The submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made in the subject application and is not to be construed as an admission that the information cited in this statement is material to patentability.

Please charge any fees due to Deposit Account 02-2666. A duplicate copy of the Fee Transmittal (PTO/SB/17) is enclosed for this purpose.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Gregory D. Galdwell, Reg. No. 39,926

12400 Wilshire Boulevard, 7th Floor Los Angeles, CA 90025 Telephone: (503) 439-8778

Date: February 24, 2005

I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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BekisN Date

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

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Sheet 1 of

Complete if Known					
Application Number	10/815311				
Filing Date	March 31, 2004				
First Named Inventor	Bo Xia				
Art Unit	Unknown				
Examiner Name	Unknown				
Attorney Docket Number	42P17475				

	U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No.'	Document Number  Number - Kind Code² (if known)	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	' Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
		US-						
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	FOREIGN PATENT DOCUMENTS							
Examiner	Cite	Foreign Patent Document			Pages, Columns, Lines,			
Initials*		Country Code - Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear			
	1	WO 2004/047307	06-03-2004	BJERKE				
	2	WO 01/97387	12-20-2001	TZANNES				
	ļ.,	PCT SEARCH REPORT	11-26-2004					
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Examiner	Date	1
Signature	Considered	

Based on PTO/SB/08A (08-03) as modified by Blakely, Solokoff, Taylor & Zafman (wlr) 08/11/2003.

<sup>\*</sup>Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

<sup>&#</sup>x27;Applicant's unique citation designation number (optional)!See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04:Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. \*Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possibite policant is to place a check mark here if English language Translation is attached.

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**Sheet** 2 **of** 2

Co	mplete if Known
Application Number	10/815311
Filing Date	March 31, 2004
First Named Inventor	Bo Xia
Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	42P17475

	NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.'	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				
	3	KOU et al - Low-density parity-check codes based on finite geometries: a rediscovery and new results IEEE Transations on Information Theory Vol. 47, no 7 Nov. 2001, pp 2711-2736				
	4	ELEFTHERIOU et al - Low-density parity-check codes for digital subscriber lines - ICC 2002. 2002 IEEE International conference on communications. Cojnference proceedings. April 28-May 2, 2002 Vol.1.of.5. pages 1752-1757 28-May 2, 2002 Vol 1 of 5, pages 1752-1757				
	5	WILSON - Linear Block Codes - DIGITAL MODULATION AND CODING, XX, XX. 1996, pp 411-425, 470				
	6	LU et al - LDPC-Based space-time coded OFDM systems over correlated fading channels: performance analysis and receiver design - IEEE Transactions on Communications Vol. 50, no. 1 - Jan. 2002 - pp 74-88				
	7	GALLAGER - Low-density parity-check codes - IRE Transactions on information theory - Jan. 1962, pp 21-28				
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Examiner	Date	
Signature	Considered	

<sup>\*</sup>Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

<sup>&#</sup>x27;Applicant's unique citation designation number.'Applicant is to place a check mark here if English language Translation is attached.